

Renewable Energy Working Group Meeting Summary

July 28, 2011

U.S. Department of Energy

Open meeting

Welcome: Anne Crawley

- This meeting follows Federal Advisory Committee Act (FACA) rules and has a stated purpose of information sharing.

2010 Preliminary Figures on Federal Renewable Energy Goal:

- The Federal Government met the renewable energy consumption goal by consuming 5.2% of energy from renewable sources in 2010.
- The number of on-site projects increased. A larger jump in on-site projects is anticipated as American Recovery and Reinvestment Act (ARRA) projects come on line.
- In 2013 the renewable energy consumption goal jumps to 7.5%

Greenhouse Gas (GHG) Overview:

- The Council on Environmental Quality (CEQ) has made Federal GHG data public via data.gov.
- The Federal Government set a goal of reducing scope 1 & 2 emissions by 28% and scope 3 by 18% by FY 2020

New Renewable Energy Tools: Boyan Kovacic

- [Energy Technology Costs, Performance Data, and LCOE Calculator](#): The website provides data charts on costs and performance of renewable energy technologies and a life-cycle cost of electricity (LCOE) calculator to determine life-cycle cost effectiveness for both utility and distributed generation (less than 10 MW) scale renewable energy.
 - o Can estimate prices for solar, wind, and biomass, with both fixed or variable operations and maintenance costs.
 - o Supporting documents are available discussing how this data was collected
 - o This tool allows users to compare the cost of renewable energy to their current utility bill.
 - Data is displayed as dollars per kilowatt-hour
 - o This tool uses simple calculations and is intended for preliminary assessments
 - o Please send feedback to Boyan, boyan.kovacic@ee.doe.gov
- [Solar Hot Water Calculator](#): The website provides an online tool to help Federal agencies meet the requirements of Energy Independence and Security Act (EISA) of 2007 Section 523 which requires new Federal buildings and major renovations to meet 30% of their hot water demand using solar hot water equipment (if found to be life-cycle cost effective).

Rulemaking Update: Anne Crawley

- The fossil fuel and sustainable design rules are still in progress
 - o These mainly apply to new construction and major renovations
 - o The rule contains an aggressive goal of reducing 100% of fossil fuel consumption by 2030
 - o Notice of proposed rulemaking (NPR) was released about one year ago
 - o FEMP will keep the REWG informed of any progress
 - o The renewable energy guide will be updated with information from the final rule

Announcements from the Defense Logistics Agency (DLA):

- DLA held its last Renewable Energy Credit (REC) solicitation in April. These solicitations had pre 1991 RECs at 23 cents per megawatt, and post 1999 RECs at 66 cents per megawatt.

Suggestions on Future Meeting Topics:

- Implementing solar and cool roofs
- Combined meeting with the Interagency Sustainability Working Group (ISWG) on forthcoming rules
- Energy Efficiency and Renewable Energy (EERE) program updates
 - o Technology transfer opportunities
- New EO 13514 section 9 guidance, once released
- Industry incentives for renewable energy
- Examples of successful Federal power purchases agreements (PPAs)
- Send any additional ideas to Kevin, kdegroat@antares.org

Next Meeting:

- October 2011
 - o Subject: Open meeting on final rules

In-person Attendees:

- Abbuehl, Chris - Constellation Energy
- Avary, Robert - The Travers/Avary Group, LLC
- Buemi, David – Suniva
- Boyan, Kovacics – DOE FEMP
- Crawley, Anne – DOE FEMP
- DeGroat, Kevin – Antares Group, Inc.

Webinar Attendees:

- Dutta Roy, Pranab - PDR & Associates, Inc.
- Gowda, Mamatha - Antares Group Inc.
- Hardison, Rob - LMI
- Healey, Victoria - National Renewable Energy Laboratory
- Krstulovich, Steve - Fermilab
- Osbekoff, Adam - Snoqualmie Nation
- Petrina, Gil - Yellow Hat
- Robichaud, Robi - NREL-Golden
- Ruffel, Eric - CH2MHill - Englewood CO
- Schmidt, Anneliese - Antares Group Inc.
- Shah, Chandra - NREL-Golden